



Emily L. King '09 helps herself to dessert on Monday evening at a ceremony marking the reopening of the newly renovated Pritchett Grill, located on the first floor of Walker Memorial.

HUIYING WEN

In Upcoming Election, City Council Candidates Address College Issues

By Marie Y. Thibault
ASSOCIATE NEWS EDITOR

Cambridge City Council elections will be held Nov. 8, with 18 candidates running for a spot on the nine-person council. All nine incumbents are running this year; in 2003, all of the current councillors were re-elected.

The candidates hold a variety of views on the responsibilities universities have to the city and vice versa.

Several of the candidates, such as Lawrence Adkins, said that they think that the university is a Cambridge resident and needs to become a better neighbor. Henrietta Davis said that they could become better neighbors by improving public schools, while Marjorie Decker said that they should help provide more affordable housing. Kenneth E. Reeves said that he believed there had been a "paradigm shift" in university relations, while Tim Toomey wrote that a "paradigm shift" is still necessary. Candidate Jesse Gordon is hoping to provide students with city government internships, said his campaign manager Ofer Inbar, and Brian Murphy said he encourages students to explore Cambridge on their own.

Matthew S. DeBergalis '00, who ran for City Council in 2003, is not running this year. He said he is focusing on a political action committee he and a friend started, called Act Blue that raises funds for Democrats in elections around the country. DeBergalis said that more candidates are raising the issues he ran on last year. Issues such as providing more late night food options have been advanced, he said, but others, such as the preservation of ManRay in Central Square, failed when the night club was torn down.

He said that other issues students care about are the safety of places close to campuses, such as Cambridge Common, and the near decade-long construction along Mass. Avenue, where many students live. The candidates are realizing that "everybody wins when students and young professionals vote," he said.

According to the Web site of Cambridge political commentator Robert Winters, the median age of registered voters is 39 for the upcoming election. However, the median age of voters in the 2003 election was 52.

Though university students may not represent the largest voting population, here the candidates weigh in on their plans for university relations, their top priorities, and what issues

they see as especially interesting to college students:

Lawrence Adkins: Adkins said in an e-mail that "the University should share the same burdens as all residents and should be responsive to the actions of the City Council." According to his platform on <http://vote.rwinters.com>, his top priorities include affordable housing, a transparent city government, and accountability in Cambridge's public schools. More information can be found at <http://www.adkinsforcambridge.com>.

James Condit: Condit did not respond to a request for information. His Web site, <http://www.jimcondit.org>, lists priorities of increasing traffic enforcement, as well as "eliminating useless or inappropriate programs" to return money to residents burdened by high property taxes.

Henrietta Davis: A council member since 1996, Davis said she plans to match universities and students with public schools to improve science education. She said she will also develop a more cooperative spirit between Cambridge and universities by working on housing development projects. Davis said that she has made it her mission to make Cambridge wireless. This is in progress already, she said, with the development of wireless zones, including city hall and the Cambridge Public Library.

She plans to work to increase recycling and the number of energy efficient "green" buildings, she said. Davis said that she is a councillor who will work to make walking and biking safer. Since her top priorities are the environment and affordable housing, she said she will strive to make 20 percent of Cambridge energy renewable and make three and four bedroom housing affordable to families with children. More information is at <http://www.henriettadavis.org>.

Marjorie Decker: A council member since 1999, Decker is also the current co-chairperson of the University Relations Committee. She plans to focus on continuing the work she started with the universities, such as the negotiation with Harvard over the Riverside neighborhood. This led to more affordable housing and more open space, she said.

She has also hosted dinners that brought together university and public school leaders, since she is concerned about what universities do for Cambridge's public schools. Cambridge

has world-class universities, so there is no reason for its public schools not to be the best in the country, she said.

She has organized trips to the

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GRANT JORDAN—THE TECH

Professor of Linguistics Noam A. Chomsky answers a question about U.S. public opinion during his lecture, held last Tuesday, entitled "The Exercise of American Power: Problems and Prospects." The talk was presented by the student-run MIT Forum on American Progress.

OPINION

Hector Hernandez says it's time for MIT to address the incompatibility between ROTC and its antidiscrimination policy.

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Alum Ben Bernanke Is Selected by Bush As Chair of Reserve

By Kelley Rivoire
EDITOR IN CHIEF

President Bush named Ben S. Bernanke PhD '79, head of the Council of Economic Advisers, to replace Alan Greenspan as Chairman of the Federal Reserve yesterday. The selection could leave Bush's economic legacy in the hands of the MIT alumnus if Bernanke is approved by the Senate.

Faculty in the Economics Department praised the nomination of Bernanke, a star student while at MIT who was twice a visiting professor here during the 1980s. Bernanke would likely lead a shift in the Fed's monetary policy, they said.

"Of the people who might conceivably have been appointed by the Bush administration, Ben is far and away the best," said Robert M. Solow, professor emeritus and Nobel Laureate. "I think he will be independent and apolitical," Solow said.

"Greenspan was an individualist with an eclectic, adaptive approach to monetary policy," said Bengt Holmstrom, head of the Economics Department, in an e-mail. "Unlike Greenspan, Bernanke believes in setting inflation targets and sticking to them."

Under a policy of inflation targeting, the Federal Reserve would set an explicit target inflation rate, "state it publicly, and then live by it," Solow said. The Fed would then take action "primarily or exclusively to attain that target," said Solow, who said he would personally favor a policy with "a little more flexibility."

"Before the Federal Reserve adopts a ... philosophy of inflation targeting, there's going to have to be a lot of discussion," Solow said. "My guess is that over time, it might take two years, Bernanke will bring them around."

In brief words after Bush's announcement, Bernanke stressed that his term would initially be marked by continuity with the current policies.

"If I am confirmed by the Senate, I will do everything in my power, in collaboration with my Fed colleagues, to help to ensure the continued prosperity and stability of the American economy," he said. If confirmed, Bernanke would succeed Greenspan when his term finishes at the end of January.

Bernanke spent much of his career in research as a professor at Stanford

Bernanke, Page 12

Professor Develops Stem Cell Guidelines

By Jiao Wang
STAFF REPORTER

The cloning of Dolly the sheep in 1997 was the first of many experiments that caused the public and the

Feature

scientific community alike to consider the ethical, legal, scientific, and policy issues that naturally follow such a breakthrough. Although it took 277 attempts before scientists finally managed to produce Dolly, the process was considered a success and repeated many times in other animals.

As part of the Research Council and Institute of Medicine at the National Academies, MIT Professor Richard O. Hynes played a key role in drafting one of the few sets of guidelines for stem cell research. The guidelines, publicly available online, are a first attempt to regulate a vast uncharted territory we are only beginning to explore.

Although the 131-page document was not written for lay people, its attempt to set certain standards and limitations may reassure the general

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WORLD & NATION

Three Blasts Shake Hotels Used By Foreigners in Baghdad

By Kirk Semple

THE NEW YORK TIMES

BAGHDAD, IRAQ

Insurgents launched a triple assault in Baghdad on Monday, detonating three suicide vehicle bombs — including a cement truck packed with explosives — in quick succession at a government ministry and two prominent hotels popular with foreigners, the Iraqi government said. At least five police officers and a civilian were reported dead, and scores of people were wounded.

Though the death toll on Monday was not nearly as high as in other suicide attacks this year, the significance of the assault went beyond casualty statistics. The two high-rise hotels — the Palestine and the neighboring Sheraton — have been symbols of the foreign presence in Iraq.

Both are landmarks on the east side of the Tigris River opposite the government Green Zone, and since the 2003 invasion the hotels have housed many foreign journalists and contractors. And since then, both have been the targets of smaller attacks with rockets and mortar rounds. In the past several weeks, Iraqi and American military officials have been warning that insurgents might stage a series of spectacular attacks, particularly in attempts to disrupt the constitutional referendum on Oct. 15. But the bombings on Monday were the first major attacks against a foreign civilian target since the attacks of late 2003, in which suicide bombers destroyed the headquarters of the United Nations and the International Committee of the Red Cross.

Storms Raised the Dead in Louisiana

By Lily Koppel

THE NEW YORK TIMES

BATON ROUGE, LA.

The living were not the only ones uprooted by Hurricanes Katrina and Rita. The force of the storms literally raised the dead from their resting places in peaceful parish cemeteries, sending nearly a thousand coffins and vaults careening around the Gulf Coast and creating a macabre puzzle for coroners and morticians.

Storm surges as high as 20 feet transformed tombs, coffins and two-ton concrete vaults into virtual ships that traveled for miles before landing in front yards, fields and swamps. One barnacle-encrusted vault found underwater in a marsh is thought to contain a victim of the 1957 Hurricane Audrey.

A coffin showed up on the lawn of Dr. Bryan Bertucci, the coroner of St. Bernard Parish, and a deputy sheriff informed him that a coffin containing the deputy's grandmother, still wearing her pink gown, had been found out of her grave in a cemetery.

"Coffins were torn out of mausoleums like a child's blocks," said Dr. Louis Cataldie, the state emergency medical director. "There are a lot. It is very disturbing to a lot of families who want their loved one. It is very disturbing."

Supply of Flu Vaccine

By Gardiner Harris

THE NEW YORK TIMES

WASHINGTON

Top federal health officials acknowledged Monday that there were some spot shortages of flu vaccine this year but said overall supplies should be adequate.

Some doctors and public health clinics have complained that they have limited supplies of flu vaccines this year. But Health and Human Services Secretary Michael O. Leavitt and other top health officials said this situation should change in the coming weeks.

"We expect that where they lack vaccines, the situation will improve," said Dr. Julie Gerberding, director of the Centers for Disease Control and Prevention. "This is the same pattern that we see every year, and over time we will catch up."

Eight states have reported some flu cases, a normal level at this point, Gerberding said. Flu season usually peaks in January and February, she said. People have many weeks to get vaccinated, she noted.

Cheney Told Aide About CIA Agent Wilson Prior to Leak

By David Johnston, Richard W. Stevenson and Douglas Jehl

THE NEW YORK TIMES

WASHINGTON

I. Lewis Libby Jr., Vice President Dick Cheney's chief of staff, first learned about the CIA officer at the heart of the leak investigation in a conversation with Cheney weeks before her identity became public in 2003, lawyers involved in the case said Monday.

Notes of the previously undisclosed conversation between Libby and Cheney on June 12, 2003, appear to differ from Libby's testimony to a federal grand jury that he initially learned about the CIA officer, Valerie Wilson, from journalists, the lawyers said.

The notes, taken by Libby during the conversation, for the first time place Cheney in the middle of an effort by the White House to learn about Wilson's husband, Joseph C. Wilson IV, who was questioning the administration's handling of intelligence about Iraq's nuclear program to justify the war.

Lawyers involved in the case, who described the notes to *The New York Times*, said they showed Cheney knew

that Wilson worked at the CIA more than a month before her identity was made public and her undercover status was disclosed in a syndicated column by Robert D. Novak on July 14, 2003.

Libby's notes indicate that Cheney got his information about Valerie Wilson from George J. Tenet, the director of central intelligence, in response to questions from the vice president about her husband. But they contain no suggestion that either Cheney or Libby knew at the time of her undercover status or that her identity was classified. Disclosing a covert agent's identity can be a crime, but only if the person who discloses it knows the agent's undercover status.

It would not be illegal for either Cheney or Libby, both of whom are presumably cleared to know the government's deepest secrets, to discuss a CIA officer or her link to a critic of the administration. But any effort by Libby to steer investigators away from his conversation with Cheney could be considered by Patrick J. Fitzgerald, the special counsel in the case, to be an illegal effort to impede the inquiry.

White House officials did not respond to requests for comment, and

Libby's lawyer, Joseph Tate, would not comment on Libby's legal status.

Fitzgerald is expected to decide whether to bring charges in the case by Friday, when the grand jury term expires. Libby and Karl Rove, President Bush's senior adviser, both face the possibility of indictment, lawyers involved in the case have said. It is not known whether other officials also face indictment.

The notes help explain the legal difficulties facing Libby. Lawyers in the case said Libby testified to the grand jury that he had first heard from journalists that Valerie Wilson may have had a role in dispatching her husband on a CIA-sponsored mission to Africa in 2002 in search of evidence that Iraq had acquired nuclear material there for its weapons program.

But the notes, now in Fitzgerald's possession, also indicate that Libby first heard about Wilson — who is also known by her maiden name, Valerie Plame — from Cheney. That apparent discrepancy in his testimony suggests why prosecutors are weighing false statement charges against him in what they interpret as an effort by Libby to protect Cheney from scrutiny, the lawyers said.

Wal-Mart CEO Sets New Goals To Limit Environmental Impact

By Michael Barbaro and Felicity Barringer

THE NEW YORK TIMES

BENTONVILLE, ARK.

Wal-Mart's chief executive is set to announce on Tuesday a set of sweeping, specific environmental goals to reduce energy use in its stores, double its trucks' fuel efficiency, minimize its use of packaging and pressure the thousands of companies in its worldwide supply chain to follow its lead.

Embracing energy-conscious and environment-conscious goals will help both the company's bottom line and the needs of its consumers, H. Lee Scott, the chief executive, said in an interview Monday.

Scott's announcement signals that the nation's largest retailer is joining the nation's largest manufacturer, General Electric, in pursuing new policies that set specific goals for environmental performance, while

advertising those goals to shareholders and customers and the public as strategic business decisions.

GE faced criticism for its own environmental practices; Wal-Mart has faced criticism as well, but largely over its low wages, scant health insurance coverage and what its critics have called poor treatment of workers. Those critics responded to Wal-Mart's environmental initiative by saying that, while admirable, it is intended to divert attention from the chain's image problems.

"As one of the largest companies in the world, with an expanding global presence, environmental problems are our problems," Scott told Wal-Mart's top officers here Monday morning, in an address broadcast to employees by video conference.

His goals, he said, are to invest \$500 million in technologies that will reduce greenhouse gases from stores

and distribution centers by 20 percent over the next seven years; increase the fuel efficiency of the chain's truck fleet by 25 percent over the next three years and double it within 10 years, and design a new store that is at least 25 percent more energy efficient within four years.

News of the upcoming announcement drew carefully parsed praise from leaders of environmental groups, including some, like Environmental Defense, which have a history of joint initiatives with large businesses, and others, like the Sierra Club, which have traditionally been more confrontational.

In general, they applauded Wal-Mart's initiatives and commitments, but sought assurances that there would be a continuing public accounting — using a concrete baseline — of factors like energy use, fuel efficiency and reduction in solid waste.

WEATHER

New Students: Meet Nor'easter

By Cegeon J. Chan

STAFF METEOROLOGIST

It simply doesn't get any crazier than this — Hurricane Wilma 500 miles to the southeast, Winter Storm warnings 300 miles to the west and in between, Boston and a Nor'easter. That's right. Today's strong winds and heavy rain would have happened (albeit weaker) even without Wilma. Instead blame it on (among others) the cold temperatures in the eastern third of the U.S., the much warmer Atlantic ocean, and the emergence of a surface low pressure. Combine the three ingredients, and chances are good for a nor'easter to develop and make treks across campus a very unpleasant undertaking.

As you mutter bad words about the weather, try to look at the big picture. Winds will be gusting up to 50 mph; at least Wilma didn't provide a direct hit where wind gusts could have been greater than 80 mph. Although over an inch and a half of rain is a lot, it could have come in the form of snow. (Over 6" of snow is forecasted for parts of western Mass.) The storm exits tomorrow morning and, although it'll remain dry for the rest of the week, it'll be unseasonably cool. In the meantime, good luck today surviving the first nor'easter of the season.

Extended Forecast

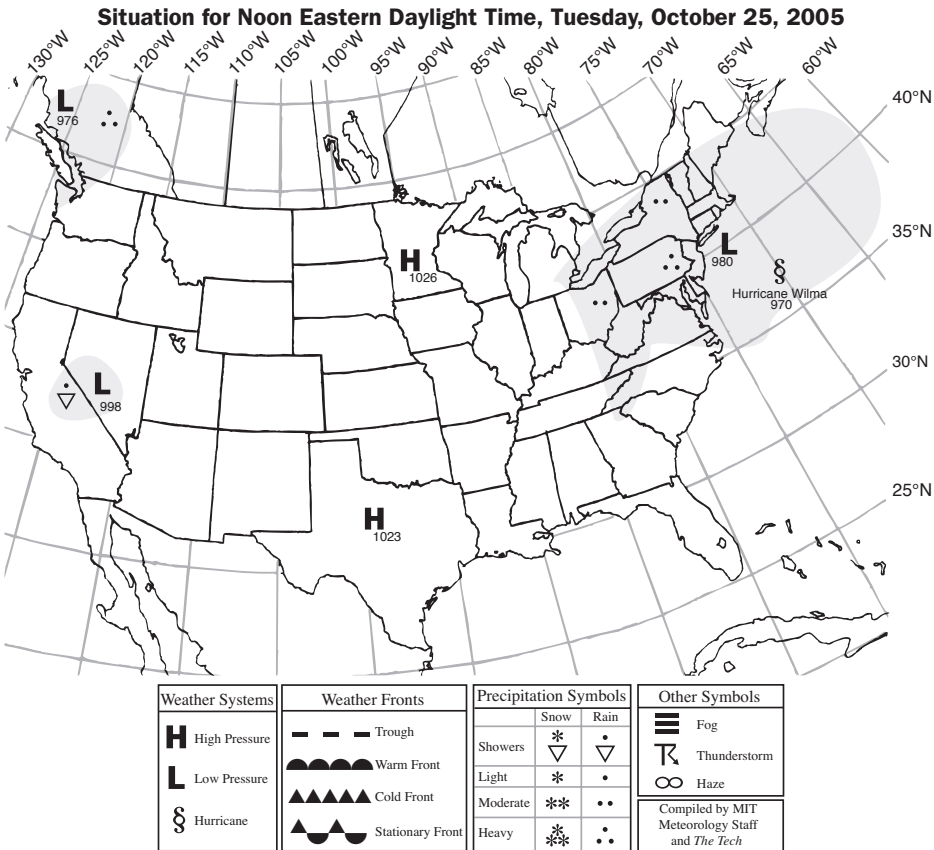
Today: Steady rain and heavy at times. Winds increasing throughout the day gusting up to 50 mph. Highs in the upper 40s°F (9°C).

Tonight: Rain with winds 20-30 mph. Lows near 40°F (5°C).

Tomorrow: Mostly cloudy. Showers possible especially in the morning. Highs in the upper 40s°F (9°C). Winds gusting up to 20 mph.

Tomorrow night: Partly cloudy. Lows in the upper 30s°F (4°C). Winds 10 to 15 mph.

Thursday: Mostly clear. Highs in the lower 50s°F (11°C).



Venture Fund Investments Grow By 13.2 Percent Across Country

By Robert Weisman
THE BOSTON GLOBE

Venture capital investing in start-ups and young companies increased at a brisk pace in the third quarter, with New England receiving 16.5 percent more money while nationally such funding grew 13.2 percent, according to the widely followed MoneyTree survey of the industry.

One explanation is that venture capitalists are pouring larger sums into companies that continue to find the market for going public difficult.

But some venture capitalists also warned they are hearing echoes of the dot-com boom in the consumer Internet sector. Venture firms, they said, are jumping into technology start-ups that seek to make money from online advertising or supplying

content for mobile devices, such as video over cellphones.

"There's early evidence that some frothiness in some of these subsectors has been creeping back into the market," said Michael A. Greeley, managing general partner at IDG Ventures in Boston, which manages about \$1 billion in investments in the United States and China.

The survey is sponsored by the PricewaterhouseCoopers accounting firm, the research firm Thomson Venture Economics, and the National Venture Capital Association.

Nationally, venture firms poured \$5.3 billion into 714 high-tech start-ups in the three months ending Sept. 30, the MoneyTree survey showed. That compared to the \$4.6 billion invested in 656 companies in the

corresponding period last year. At this rate the US venture industry is on track to hit a four-year investment high in 2005.

In New England, meanwhile, funding for start-up companies increased 16.5 percent in the third quarter, to \$612.4 million, from the same period last year. But 2005 is shaping up to be a somewhat more modest year for fund-raising in New England than last year: Investments in local companies through the first nine months of this year are 16.1 percent below the same period in 2004.

New England did vault back into its traditional ranking as the nation's second-largest venture magnet in the quarter after slipping to third place, behind Silicon Valley and the New York metro area.

Otis Air National Guard Base May Acquire Jobs in Intelligence Unit

By Matt Viser
THE BOSTON GLOBE

MILFORD, MASS.

The commander of the Massachusetts Air National Guard is recommending that Otis Air National Guard Base take over an intelligence unit that could add as many as 500 people and offset the jobs that will be lost in two years when the base's F-15s are moved across the state.

Brigadier General Michael D. Akey told the *Boston Globe* Monday that he doubts the base will lose personnel under a reconfiguration plan that the National Guard Bureau plans to unveil Dec. 1.

The intelligence unit, which would assimilate data from unmanned Preda-

tor aircraft, would include 200 to 500 people, Akey said, and could involve building a new Air National Guard outpost somewhere inside the Interstate 495 area.

Akey's proposal, which he submitted last week to his superiors, fits into the state's overall the goal of trying to transform its military force from one that builds and maintains ships and aircraft into one geared toward technology and innovation.

Otis's future was thrown into doubt by the federal Base Realignment and Closure Commission, which recommended earlier this year that all 15 of the F-15s currently stationed at Otis be sent to Barnes Municipal Airport Air Guard Station in Westfield. Presi-

dent Bush approved the commission recommendations last month.

Since that recommendation, Bay State politicians and National Guard officials have been scrambling to replace the 505 jobs associated with the 102d Fighter Wing at Otis. Now, their attention is turning to the National Guard Bureau, which is making its own assessment on the future of Otis and other Guard units in the country.

The aim, Akey said Monday, is to add missions that will help Otis draw on the strengths in the region, much as Hanscom Air Force Base in Bedford and the Army's Soldier Systems Center in Natick have fashioned themselves as bases drawing on research and development.

Wilma's 125-Mph Winds Rip Both Florida Coasts

By Abby Goodnough
THE NEW YORK TIMES

NAPLES, FLA.

Hurricane Wilma charged across South Florida in a few turbulent hours on Monday morning, thrashing neighborhoods on both of the state's coasts, shattering high-rise windows, pushing seawater over much of the Florida Keys and knocking out power to an estimated 6 million people.

The storm entered the state shortly after dawn near Marco Island on the southwest Gulf Coast as a Category 3 hurricane with winds of up to 125 mph and soon was traveling at the rapid clip of 25 miles per hour. It carved a wide path northeast, roiling the Miami and Fort Lauderdale region and finally, seven hours later, roaring into the Atlantic Ocean near West Palm Beach, still a Category 2 tempest with winds of 105 miles per hour.

Most of the region's populated areas were on the northern side of the storm, which was less brutal, but still suffered widespread flooding, crumpled mobile homes, airborne roofs and countless downed trees. Early damage estimates were at least \$2 billion. Fort Lauderdale and several other cities ordered residents to boil their tap water. In Miami, the winds shattered skyscraper windows, leaving a coating of glass shards along downtown Brickell Avenue.

Authorities said at least six people were killed in the storm.

Tighter FBI Oversight Urged For Probe Lapses

By Eric Lichtblau
THE NEW YORK TIMES

WASHINGTON

Civil rights advocates called Monday for Congress to increase its oversight of the Federal Bureau of Investigation's surveillance of suspects in intelligence investigations, in light of newly disclosed records indicating that the FBI had violated the law.

But the FBI defended its record, saying it had been diligent in policing itself and in correcting lapses that it considered to be largely technical and procedural.

The debate was prompted by a set of internal FBI documents made public Monday that disclosed at least a dozen violations of federal law or bureau policy from 2002 to 2004 in the handling of surveillance and investigative matters.

Expanding on that data, the FBI said on Monday that internal reviews had identified a total of 113 violations since last year that were referred to a federal intelligence board.

In several cases, the documents released Monday showed, FBI agents extended investigations and surveillance operations for months without getting proper approval from supervisors or giving notification.

In another case, an FBI agent still on probation gained access to banking records without getting needed approval, in violation federal privacy restrictions.

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Apathetic Printers

I chose to attend MIT in part because of the idealism, in all aspects of life, coming from the institution as a whole. When I got here, my choice was affirmed when I realized just how much research interest there is here in sustainable development and other environment-friendly issues. Two months into the semester, however, a disturbing question has settled into my mind. Why is it that the most brilliant and often the most motivated minds in the country can't, or are unwilling to, live their daily life in a more environment-friendly manner?

Recycling bins are ubiquitous at MIT, yet Harvard still manages to have a recycling rate that is 6 percent higher than ours. A FIXIT form and two months later, my hall shower still barely turns off. As a result, people simply don't shut off the shower all the way. Lights are left on while students are gone for hours at a time. Of

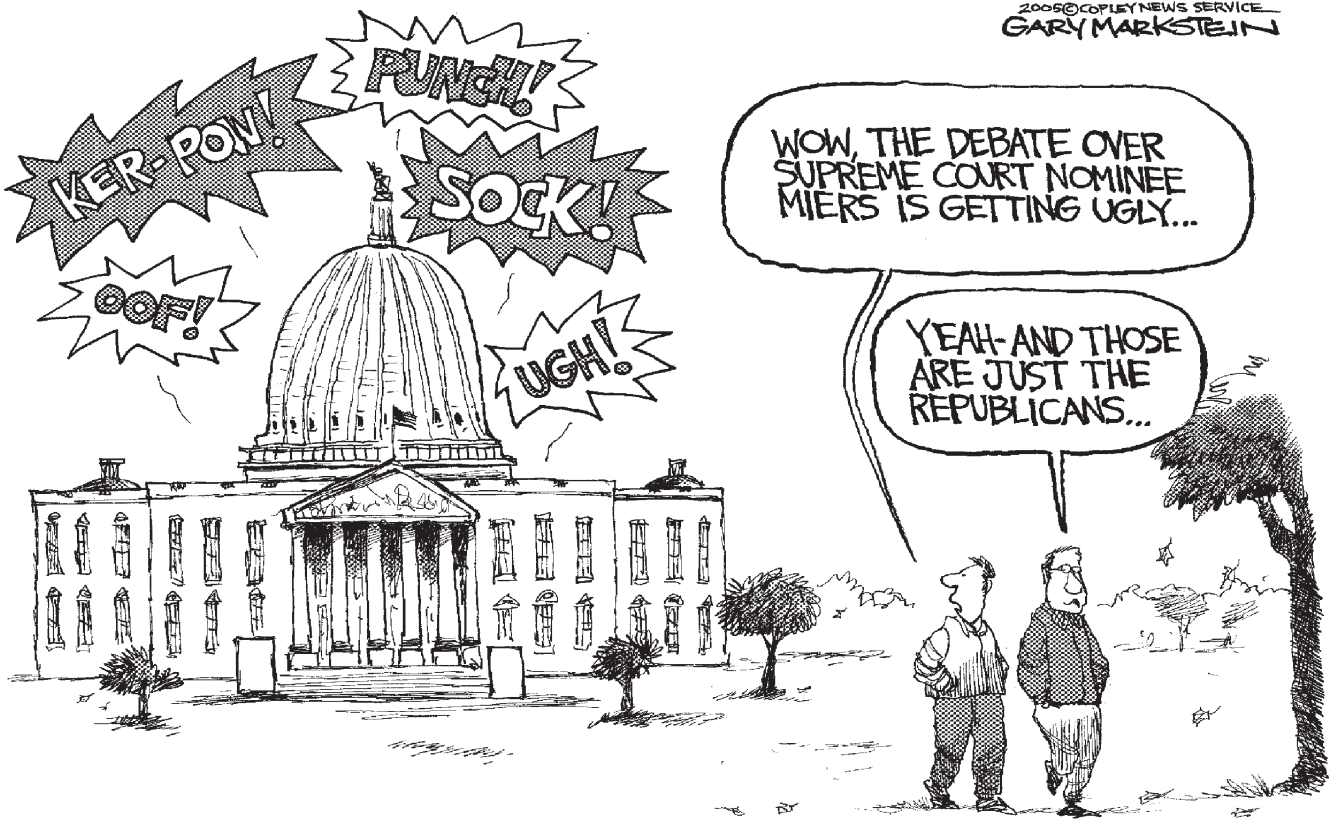
course, it is possible that Harvard cheats on its recycling. And perhaps some MIT nerds simply don't have the muscle to fight with a shower handle. But this does not explain the paper usage at our school.

I am not going to attempt to figure out how much paper the MIT community uses on a daily basis. Why then is it so hard to print double-sided? When a friend of mine contacted Information Services & Technology about this issue, they refused to change any settings, but merely suggested making a change to my .environment file that did not even work. When the same people automatically choose a printer for me through lpr, I cannot even do so manually. I do not expect IS&T to listen to one undergrad, but if more people showed their concern, perhaps the authorities would pay more attention.

Meanwhile, header pages continue to riddle the clusters (although it is possible to turn off printing header pages by simply typing "setup

save" in Athena, very few people seem to actually do this). Perhaps the setup of the printers also contributes to all the print jobs that are never picked up and simply accumulate around the printers. SAVE installed boxes in all the clusters to collect some of this paper for reuse (who doesn't want free problem set paper?), but they are not used. Even worse, the paper is often handled so roughly that it is folded and crumpled ... leaving it unusable for all purposes but scrap paper. It does not require very much effort to at least try to print double-sided (simply add a "2" at the end of the printer's name). Neither does it take very much effort to take some erroneously printed paper and put it nicely in a box. Surely MIT students can figure this out. Surely MIT students realize that attempting to change the printer setup can make a huge difference in the amount of paper MIT purchases and uses. But apparently, we just don't care.

Alexandra G. Konings '09



Opinion Policy

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To Reach Us

The Tech's telephone number is (617) 253-1541. E-mail is the easiest way to reach any member of our staff. If you are unsure whom to contact, send mail to general@the-tech.mit.edu, and it will be directed to the appropriate person. Please send press releases, requests for coverage, and information about errors that call for correction to news@the-tech.mit.edu. Letters to the editor should be sent to letters@the-tech.mit.edu. *The Tech* can be found on the World Wide Web at <http://the-tech.mit.edu>.

The World Is Getting Smaller and Flatter

Hector H. Hernandez

The world is getting smaller and flatter. You can get to and from more places faster than ever before. The internet, cellular phone, and desktop computer accelerated and revolutionized the way the world collaborates and conducts business through global communication and intellectual cooperation. It is no longer safe or sound for companies, nations, or any other entity to continue the practice of isolationism or protectionism. Everywhere you turn, open, academic, and industrial collaboration is being praised as the new global equalizer. The new possibilities for local organizations in the most remote areas to enter the global market are seen as the opportunities that could bring financial and social equality to previously inaccessible markets.

The world is finally seeing things the MIT way. MIT has long been a proponent of open collaboration and has purposely made choices that have propelled it to the forefront of international educational and industrial partnerships. Programs such as MIT International Science and Technology Initiatives, OpenCourseWare, MIT Technology and Development Program, the Singapore-MIT Alliance, the Cambridge-MIT Institute, and the Center for International Studies exist because MIT believes that it has a responsibility to disseminate knowledge.

Just this week, MIT announced another new global initiative. The founding of the Global Enterprise for Micro-Mechanics and

Molecular Medicine was celebrated in MIT, Thailand, and Singapore as a milestone of global collaboration between time zones, academics, governments, and members of industry. In the current climate of international collaboration, MIT can expect to expand its tradition of partnerships with academic and industrial institutions from around the world. There is no doubt that the institutionalization of such partnerships will be a source of intellectual and capital gain for the Institute — but at what price?

As more institutions and countries vie for the validity, which the MIT stamp of approval brings, the Institute needs to question the cost of these collaborations. I am not referring to the intellectual costs: the strain and stress placed on the community when its leading minds are scattered across the globe is a topic for another time.

I am referring to the stamp of approval that the MIT alliance lends to social programs. Any organization that enters into a partnership with MIT makes a commitment to high standards in research and development. But what about the commitment to the community which these organizations serve? Do they treat their constituents with respect and acceptance? MIT should expect organizations that it collaborates with to subscribe to the

same non-discriminatory policies that the Institute practices. Every member of the MIT community has the freedom and the pleasure to agree or disagree with the general policies and administration of the Institute. Shouldn't the community members of our intellectual partners have those same liberties?

Currently there are collaborations and partnerships with other organizations and countries in which certain constituents of the MIT community cannot and will not be allowed to participate. If you are female, homosexual, or transgendered, you cannot, on fear of your life at times, participate in certain collaborations.

MIT currently practices this double standard. Every student group, academic department, and facilities group adheres to the non-discrimination policy of MIT. The community has fought for many years to assure that the Institute is a safe and enriching haven for each of the diverse groups which form the members of the community. That is every group except for one, the ROTC.

The ROTC has played a key role in shaping young minds at MIT. However, it has not been very inclusive. The discriminatory policy of the exclusion of homosexuals from the organizations, which are bound to defend our country, is a lack of appreciation for the

contributions of a segment of our population. MIT acknowledges and accepts the "Don't ask, don't tell" policy that was implemented under President Clinton. The 2005 Report of the ROTC Implementation from the Chancellor's Office, states that the Institute will make sure that any student "involuntarily separated from the ROTC because they are gay or lesbian, would not suffer financial consequences associated with a loss of the military scholarship." That the Institute continues to acknowledge and accept the ROTC and its discriminatory recruitment policies on campus is unjustified.

How can we expect our current or new partners to take seriously the professed dedication of the Institute to treating all of the MIT community with dignity, respect, and acceptance? How can we complain if a member of our community is discriminated against while on a collaborative mission with one of our many partners if we allow these practices to occur in our backyard?

The glossy, regurgitated reports from the Chancellor's Office are not acceptable explanations as to why MIT continues to turn its head and look the other way on the existence of the ROTC offices on campus. With the current trends and mandates being dictated from the White House, MIT needs to assess the inclusion of the ROTC as a student group on campus. MIT needs to reconsider how it plans to continue to live with the double standards of a professed non-discriminatory community and the armed forces discriminatory policy.

That the Institute continues to acknowledge and accept the ROTC and its discriminatory recruitment policies on campus is unjustified.

The Genie Will Not Go Back in the Box

Krishna Gupta

Reform is an integral part of life. No matter whether we look at political, social, academic, athletic, or military arenas, success always requires a dedication to change and progress. And if success derives from change, change arrives only under the helm of strong leadership, not only at the highest level, but among the individuals for whom this reform matters most.

Leaders face many challenges, but perhaps the most difficult one is to focus on the goal. Often, driven leaders become lost in the myriad of small changes that must occur in order to reform a much larger and more encompassing issue. This subconscious phenomenon of seeing the trees but not the forest occurs much more often than one realizes. At MIT, we become so engrossed in our own worlds that we have little time to think of larger issues and trends in the real world. But if the goal is to

impact the world, not just the bubble, then it is important to be in tune with our surroundings. But change is constant for the world around us. As the Greek Heraclitus famously put it, "we both step and do not step in the same river," or in other words, no man can step in the same river twice, for the river constantly flows.

And thus, when we re-enter this real world, it seems to me that our myopia causes us to lose our vision and our footing. This is a problem faced by students across the world, but is a bit more worrying at MIT because of our tendency to dedicate ourselves to singular and solitary fields of study. How can we cope with this clash between intermediate and final goals? Should we abscond with our intelligence, or should

we embrace a salutary change, one that involves increased doses of "culture"?

If MIT attempts to be a city on the hill, a beacon of innovation, then we should possess equal amounts of intelligence and culture, so that we may lead through action, instead of being driven by reaction.

We should possess equal amounts of intelligence and culture, so that we may lead through action, instead of being driven by reaction.

In more appropriate lingo, we should strive for increased heterogeneity in our population. Education will breed leadership, and then strong leadership will spur higher education. This should be our culture, and it is one that will not only differentiate us from our sparring partners, but also one

that will be more useful in the coming years.

For example, let's highlight a political issue — that of instability in the Middle East. This past Tuesday, I had the distinct pleasure of hearing the Egyptian ambassador to the United States, His Excellency Nabil Fahmy, speak on the importance of continued progress in the region. Egypt has been a republic for the past 52 years and has undergone tremendous change, particularly as it lies on the fringe of the Middle East while technically situated in Africa. Yet it has had neither many intelligent leaders nor many leading intellectuals. Why not? Egyptian leadership never made such a combination an overarching goal.

Corruption and ineptitude have reigned at every level. But, Egypt has recently committed itself to political and educational reform. Now that the process has begun, even the inert state will progress. It is just a matter of changing mentalities, of setting the ball in motion, of introducing culture into the culture. As His Excellency Fahmy stated, "we will make our mistakes ... but the genie will not go back in the box."

President Hockfield is not much like Egyptian President Hosni Mubarak, and thank goodness for that. But, she has already made it quite clear, in my perception, that change on the campus will continue — increased collaboration between several strong MIT departments can only make each stronger. One of the most pressing issues that MIT faces in this new millennium is the challenge of churning out well-educated and socially equipped world leaders.

As President Hockfield wrote in her "Letter to the Community" on Sept. 22, "in addition to helping to solve the world's problems through our research, we must also rededicate ourselves to an education that prepares our students to be the leaders of a world that is increasingly interconnected and dependent on technology." We might make mistakes, but once we start, our combination of intellect and culture, manifested through leadership and change, will be unstoppable.

Hence I conclude for now my argument for making MIT the cultured campus. In Hindi, I would phrase this pursuit of culture in such a manner:

"Zindagi ki rangoli main, har rang ko yaad rakho, phir har rang ko bhoor dalo, aur phir apne pyare rang banaao."

In this colorful festival that is life, remember each color, forget each color, and then create your own beautiful colors.

Let culture be the helmet that we generals and engineers wear into battle. Sure, it is often worn only as embellishment. But that thin veneer is so much more. It is the final piece of our persona. It is the pinnacle of our self. It has the aura and the power that strikes fear into our enemy. And when that blow comes straight towards the skull, the brain by itself can do absolutely nothing. Only a well-forged helmet will protect us and allow us to stand victorious. Where's your helmet?

Krishna Gupta is a member of the Class of 2009.



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6:00 pm

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Massachusetts Institute of Technology

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- ♦ What are the rules of the game?

Questions from MBAs:

- ♦ How do I approach a technologist?
- ♦ Why are they hard to approach?
- ♦ Which technology do I look for?

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CAMPUS LIFE

Dare Me?

By Sarah Buckley

Welcome to *The Tech*'s newest column, boys and girls. This isn't your run-of-the-mill article on love advice or computer advice or azn cooking advice. No, this is more of a "Choose Your Own Adventure" piece. The main character is me, and you, dear readers, are the puppet masters.

I'm Sarah, a senior living at Random Hall, and I shower regularly. Also I'm Course 7, so technically I should have a lot of free time. The other day, for example, I was watching an old episode of "The Simpsons" where Homer becomes Mr. Burns's prank monkey. Homer gets paid to do whatever outrageous thing Burns suggests, and I thought, What an awesome job! I do stupid things on a day to day basis for free. But wouldn't it be marvelous to do them at the behest of others — to bring joy to the lives of *Tech* readers far and wide?

Thus was this column born. Think of it as a game of Truth or Dare, but without Truth. Because, let's face it, the Truth would blow you completely sideways man. We can't have our readers keeling over around campus, curled into fetal positions all twitching and drooling — clutching *The Tech* — with their minds reduced to howling voids of insanity. It just doesn't say "quality journalism." Plus, even though it may help Course 16ers "assume the position" for Unified, it's murder on your self-respect.

So how about this: Your job is to dare me to do whatever, be it crazy, humiliating, hilarious, wacky, over the top, or downright nutty. I'll take your suggestions, pick the most awesome, do them, and tell you about it (possibly with pictures) in this column sometime in the next few weeks. Think of the possibilities! No seriously, think of them, and then send them to me. I'll do pretty much whatever. I'm shameless. Give it your best shot.

You're probably wondering a few things at this point: who is this girl and why is she writ-

ing such an awesome column? All your concerns will be addressed in the following FAQ:

Wow, Sarah. This seems like a really gutsy thing to do. Aren't you worried about your reputation?

My reputation is "the girl who ran full-speed into a wall because someone said they'd pay her five cents to do so." Could things really go down from there?

So are you one of those people who'll do anything if someone double-dog dares you?

Well, last week my friend dared me to drink 20 bottles of laxatives while wearing a butt plug ... and I totally didn't. After the Broken Glass 'n' Tabasco Fiasco of '01, I've learned the value of caution when messing with one's colon.

That's messed up. Anyway, in all seriousness, what is the true motivation behind this column?

I'll be honest with you: I'm only doing this because I think "Prank Monkey" will look really good on my resume.

I'm sure you're all excited to start sending in your suggestions, but hold on a second

— before you go crapping your pants with unrestrained glee (and I think we all know how embarrassing the old glee-in-the-shorts can be), bear in mind that I do have my limits. First, I have a boyfriend, and he's one of those jealous types who won't like it if you dare me to seduce Walter Lewin. So listen kids, nothing overly sexual. And second, I'm too young to go to jail and too broke to pay fines or medical bills. I won't ride a motorcycle through the Infinite bowling people over GTA-style, I won't liberate the plague-ridden rats held captive in the bio building, and I sure as hell won't "Sport Death."

Beyond that, the sky's the limit. Go ahead, send whatever you can think of (I dare you) to sabuckle@mit.edu and put "Dare" as the subject line so I don't automatically delete it. Together, we can bring my life to a whole new level of stupid.

Your job is to dare me to do whatever, be it crazy, humiliating, hilarious, wacky, over the top, or downright nutty.

It's Halloween, The Funnest Party

By Chris Cabral and Nikhil Shenoy

I forget the exact origins of Halloween (not that I ever knew them), but I bet it's rooted in the same ancient Pagan heresy that spawned Thanksgiving and Kwanzaa. The important thing is that Halloween gives us collegians an excuse to act like children, dress ridiculously, drink a lot, and eat too much candy. While this may sound like a normal Tuesday night to some of you, it's a special day for most people.

Every girl loves the movie "Mean Girls." It's a fact. Every girl has a mean streak. In that movie, Cady (played by the incomparable Lindsay Lohan) states "Halloween is the one night a year when girls can dress like a total slut and no other girls can say anything about it." Well, if it's in the movie that all girls like, and Lindsay said it, it must be true.

Gone are the days when girls would dress like ghosts, ponies, and princesses. In college you have to be a slutty ghost, slutty pony, or a slutty princess. You can also pick from slutty devil, slutty angel, slutty cop, slutty nurse, slutty cat, slutty dog, slutty teacher, Wellesley student, slutty fish, slutty captain, slutty witch, slutty wizard, slutty cheerleader, slutty athlete, and everyone's favorite, Paris Hilton. Paris Hilton would be a fun one to do, but good luck finding enough green paint and fluorescent contact lenses. Guys dress like sluts on Halloween too, but I choose to ignore them.

For socially awkward bad guessers, Halloween presents a unique challenge to tactfully figure out what everyone is trying to look like. It's nearly impossible to differentiate between outfits when you couple blurred vision and the homogeneity of Skank. Every year without fail, I will have a conversation something like this:

Me: Wow, that — that's an awesome bicycle costume.

Girl: What? I'm Britney Spears!

Me: But you, you look like a bicycle.

Girl: Whatever, where's my roommate?

Me: You sh-should be a b-bicycle, because I'm L-Lance Armstrong and ... Hey! Where're you going?

So, here are some tips for picking out that perfect costume.

Rule #1: If you're even remotely chubby, *do not wear orange*. Oompa Loompas are cute. So is candy corn. But everyone (*everyone*) will think you are a pumpkin. No, they won't try to "carve" you, or make a delicious pie out of you. They will avoid you at all costs, or maybe hook up with you and never tell anyone about it. And if they do tell anyone, that story will be laden with the most amazing lies ever. Moral of the story: No orange unless you plan on going as a skinny pumpkin, which isn't clever at all. So just don't wear orange.

Every other girl is going to dress like a slut (note: this is politically correct due to paragraph #2 above). So what are you going to do about it? Nothing. That's right — rule #2: Do not try to be different. Guys won't notice, so why bother? Just take a minimalist approach to clothing.

Rule #3: Take lots of pictures, and send them to nshenoy@mit.edu and vcabral@mit.edu.

Rule #4: Guys should dress like anything that has money or is really ripped. In fact, this should be extended to a year-round policy. Because really, how well has "being yourself" worked thus far? Yeah, that's what I thought.

Finally, Rule #5: No matter what your costume inspiration is, don't reveal it. Plagiarism is the redheaded stepchild of originality. Take that as you will.

So the countdown has begun. In a few weeks, leaves will turn orange and yellow, and digital cameras will blare in the twilight of November. Just remember you're in college, so the next time Halloween will be even remotely this much fun is when you have kids. Gross.

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City Council Candidates Discuss University Relations

City Council, from Page 1

United Nations headquarters for high school students and helped allow high school representatives on city committees. Other issues she said she thought would interest college students are worker rights and affordable housing.

Decker said she has made herself known to college students through student groups at Harvard, where she is a student at the Kennedy School of Government, and by attending discussions at MIT. More information on is at <http://www.marjorieecker.com>.

Anthony Galluccio: A council member since 1993, Galluccio said he was the only councillor to support MIT's proposal to build Simmons Hall because he realized that schools need to do a better job of housing students since students increase pressure on the housing market. It is important for the city and the universities to have a good partnership, he said, and the city does not want to see any currently taxable material taken off the tax rolls.

He said he thinks college students are interested in improving public transportation and making housing more available. Galluccio says he will work on making sure streets are safe and striving to keeps buses and subways trains running later.

His top issue is the educational support of young people, he said, and this commitment is shown in the opening of a new athletic facility, the construction of a new youth center, and his involvement in rebuilding the technology education program at the Cambridge High School. He said he hopes MIT administrators and students will take a stronger role in this program. It is tough to market to university students, Galluccio said. He will reach out to students through e-mail closer to election day, he said.

Jesse Gordon: In his first run for an elected position, Gordon is pushing to allow 17-year-olds to vote in municipal elections, said his campaign manager Ofer Inbar. This will allow new college and high school students to get involved as soon as possible. He is also proposing allowing legal but unnaturalized immigrants to vote in municipal elections, Inbar said. Another of Gordon's proposals is to allow university students to gain internships

in city government. Inbar said that Gordon gave Matthew S. DeBergalis '00 his number one vote in 2003, because he supported DeBergalis' efforts to involve college students in city government. DeBergalis has endorsed Gordon, and in a quote from his endorsement letter, wrote that he "thinks the city needs a kick in the pants and Jesse is the one to do the kicking."

Gordon's top priority is preserving affordable rental property, Inbar said, and the recent large increase in property tax for two and three person housing has made it hard for people to move into and live in Cambridge. He also plans to protect the Garment District and provide more late-night food options, Inbar said. Students may have heard Gordon in WMBR radio interviews and can hear him with DeBergalis on Sunday, Oct. 30. He was founding chair for the Progressive Democrats in Cambridge and co-founded Massachusetts for Dean, Inbar said. More information can be found at <http://www.jessegordon.org>.

Andre Green: Green said he thinks there is a need for a shift in tone in Cambridge-university relations, from one of competitive, to one of partnership. He calls for more MIT students working in Cambridge K-12 schools. Another partnership he proposes is allowing more university students to work in internships in the Cambridge city governments, similar to how Kennedy School of Government students at Harvard work with the Somerville city government.

Green said that his top issue is to have a city government that listens to its constituents. Students are interested in a city-wide wireless zone, he said, and this is an issue he supports. He also supports later last calls in bars near universities on weekends, and lower property taxes, which will make it easier for students to be residents. Green held a meet-and-greet at the Student Center on Saturday, Oct. 22 and at Harvard Square on Sunday, Oct. 23. More information can be found at <http://www.andregreen.org>.

Robert Hall, Sr.: Hall said that he does not think that relations between the universities and city government are well coordinated, and he will increase communication between the two groups.

He said students are interested in housing, transportation, and education within the entire community. This education may take the form of a work-study for students, he said.

Affordable housing is one of Hall's top priorities, and he will focus on a new financial management plan that will include housing improvement opportunities for the downtrodden. Other top issues are public safety, teacher and student accountability, and excellence in education, he said.

Hall said many of the teenagers and students that live in his neighborhood are spreading the word about his campaign and what kind of person he is. These students have benefitted from picnics, holiday parties, and church activities Hall has been involved in, since he tries to guide them in positive activities, he said. More information can be found at http://www.commonperspective.net/programs_political_perspective.htm.

Bill Hees: Hees did not respond to repeated requests for information. According to his platform on <http://vote.rwinters.com>, his top priority is limiting spending on programs in order to lower taxes.

Craig Kelley: Kelley said in an e-mail that neighborhood needs should be taken into account when universities make proposals to reduce any negative effects on residents. His top priorities include listening closely to residents' views on issues and improving the city's public schools.

Robert LaTremouille: LaTremouille, who has run for the council twice before, said he has worked for 30 years on university relations, attempting to help the universities and Cambridge work together.

He said that the universities are causing a lot of harm to the environment. An example of this was in Oct. 1999, he said, when Boston University entered a Canadian goose nesting area and ruined their habitat.

LaTremouille is a self-proclaimed fighter, and is good at fighting the fight people say cannot be won, he said. His top priority is the environment, and he will prevent the city government from continuing to "throw away taxes." He said that Cambridge voters have voted to spend money on creating more open space within Cambridge, but instead,

the money was spent to expand the waterworks in Lincoln, MA, where Cambridge's reservoir is located. He said he is considering spreading his campaign by leafletting on campuses.

David Maher: Maher did not respond to requests for information.

Brian Murphy: A council member since 2002, Murphy said he will keep up the lines of communication between Cambridge and the universities. He spoke to a group of freshmen in the Freshman Urban Program this fall and encouraged them to become involved in and explore Cambridge. He said MIT has always tried to have positive involvement with Cambridge public school students through tutoring programs.

Murphy said he has been influential in preserving the Garment District, as well as Cambridge's unique restaurants and nightlife. Because of Murphy's instrumental role in saving the Garment District, DeBergalis has given him his endorsement.

Murphy's top priorities include preventing the construction of huge high rises that would dominate neighborhoods and preserving locally owned businesses. He is also committed to issues he thinks impact students greatly, such as late night dining, walkable and bikeable streets, and a safer, more welcoming community. Murphy emphasized the marriage equality in Cambridge, an issue that is interesting to college students and the younger generations. He will continue to send regular mailings to registered student voters. More information is available at <http://www.BrianMurphy.org>.

Kenneth E. Reeves: A council member since 1989, Reeves said that Cambridge is at the highest point in university relations in the last decade. There has been a "paradigm shift," he said, and the city government and universities have realized they are inextricably linked.

Cambridge is envied for its world-class biotechnology industry, he said, and the flavor of Cambridge, including residents, restaurants, and entertainment, make it an exciting place to be. This has been aided, he said, by the universities, who helped coordinate city events, such as a salsa concert held at the Stata Center, and a symposia series featuring Cambridge voices. However, Reeves said that both the universities and Cambridge need to make sure the quality of public schools improve.

His main issues are making tax increases more equitable, so that the burden is not on those unable to bear it, he said. Also, he will work to develop more youth programs and keep Cambridge at the forefront of competition with other cities around the world to attract and keep top scientists.

A wireless Cambridge is interesting to students, Reeves said, and he hopes they are interested in improving the quality of public math and sci-

ence education. He is coordinating an outreach to MIT voters with the help of Claudia M. Gold '07, through an e-campaign and much more visibility close to the election. More information on Reeves can be found at <http://www.kenreeves.org>.

Sam Seidel: Seidel said in an e-mail that universities attract talent and new businesses, but also take taxable land off the tax rolls, are "difficult neighbors, and set their own agenda without coordinating with the city on goals or objectives." He will use universities' resources to provide affordable housing. According to his platform on <http://vote.rwinters.com>, Seidel's top priorities are evaluating housing opportunities, improving public schools, and creating a wireless city. More information can be found at <http://www.samseidel.org>.

Denise Simmons: A council member since 2002, Simmons responded in an e-mail that she "would like to see them [universities] support city services at a level more commensurate with their resources." Her top issues are providing neighborhood services, strengthening public schools, and making housing affordable and available. More information can be found at <http://www.denise-simmons.org>.

Michael A. Sullivan: A council member since 1994, Sullivan established the University Relations committee four years ago when he first became mayor. He said that he has been on the MIT campus several times to hear from students and has met with the Graduate Student Council president. He said that he will work to improve safety in Cambridge for students.

Sullivan said that education has to be the first priority, and that the achievement gap should not exist since the public schools are surrounded by world-class universities. He said that he is interested in quality of life issues for students, and other amenities. One thing that makes him unique, he said, is that he returns every phone call personally, a detail he thinks is appreciated by the students he speaks to.

Tim Toomey: A council member since 1989, Toomey responded in an e-mail that universities should no longer be regarded as non-profit organizations, but as profitable businesses instead.

In order to collect payment for the universities used of city services without damaging other non-profit services, Toomey has proposed a one percent endowment surcharge for universities, which will be used to relieve the burden of property taxes on renters and lower-income homeowners to "ensure that Cambridge remains a diverse city."

He wrote that his top priority is ensuring safety and a higher quality of life for Cambridge residents. More information on Toomey can be found at <http://www.timtoomey.org>.

City Still Seeking PILOT Alternatives

When the city council passed a Sept. 12 policy order proposing a one percent tax on interest exceeding \$1 million earned from university endowments, it received unanimous support in the council, said Councillor Kenneth E. Reeves. Now, however, Councillor Brian Murphy said the order is "highly unlikely to pass the Massachusetts legislature."

Councillor Anthony Galluccio also said the "issue is very unlikely to be revisited." The policy order was introduced by Councillor Timothy J. Toomey Jr., who did not respond to requests for information.

All the councillors except Denise Simmons and Toomey, who both did not respond to requests for comment, said that a formula different from the current Payment In Lieu of Taxes agreement would be highly beneficial to the universities and Cambridge. Mayor Michael A. Sullivan said that while the current PILOT agreement may be the best possible, the city should keep exploring options.

Such options include Galluccio's suggestion of a specific formula tied to the cost of city services. "PILOT is not tied to anything specific, the number doesn't represent anything," he said.

Cambridge's Voting System

Cambridge elections are run by the Proportional Representation method. The method asks voters to rank the candidates, with number one being their preferred candidate. Any candidate who receives a quota of votes as first choice is immediately elected, and the number one votes in excess of the quota will go to the number two choice marked on those ballots. Then, any candidate with fewer than 50 number one votes is eliminated, and the ballots are given to the next preference. After this, the candidate with the lowest number of votes is eliminated, and his or her ballots also go to the next preferences. Candidates reaching quota are elected during these redistributions. —Marie Y. Thibault

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Mancuso Breaks Records As Engineers Down Nichols



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STANLEY HU—THE TECH

The MIT football team defeated Nichols College 34-21 on Saturday, Oct. 22. The Engineers' win featured quarterback Richard A. Mancuso '09 breaking MIT single-game records for completions and attempts (25 of 43) and tying the school mark for touchdowns (4).

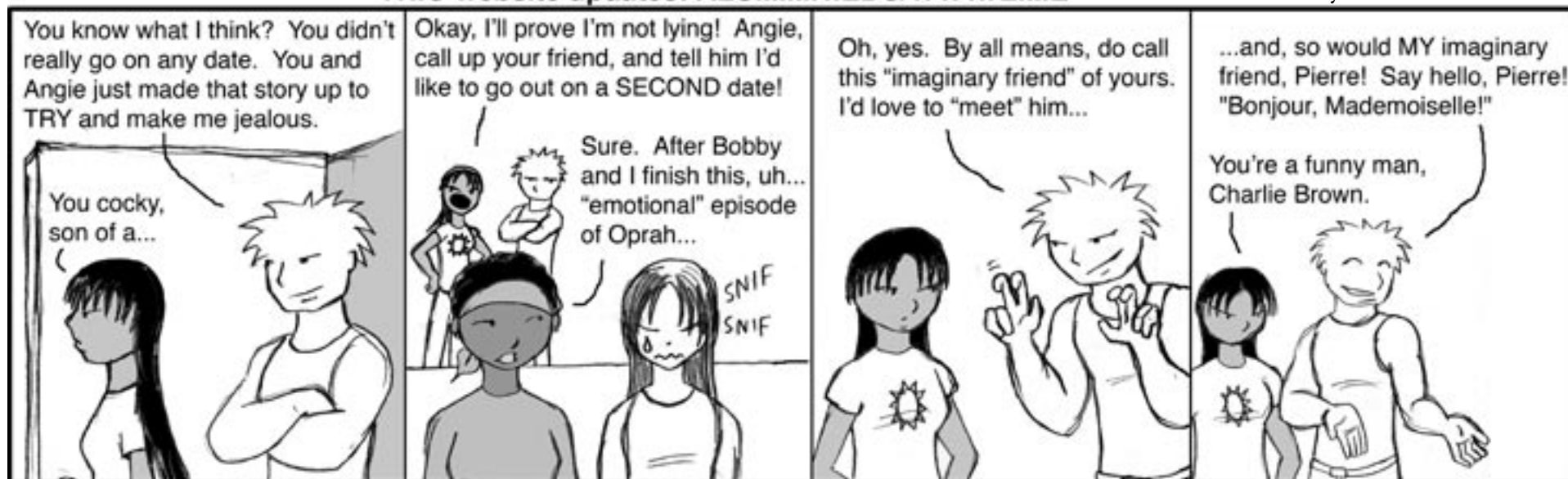
(Clockwise from top left)
Mancuso prepares to launch a pass.
Tight end Christopher W. Ruggiero '06 points to the air after scoring his second touchdown on a 15-yard pass from Mancuso.
Robert C. Utz '09 attempts to stiff arm Matt Grygas of Nichols.
Wide receiver Marcus R. Carson '06 attempts to stay in bounds after hauling in a pass from Mancuso.
Thomas J. Kilpatrick '06 plows into Nichols defender Jason Dekow.
Quarterback Stephen C. Toth '09 (#8) and kicker R. Matt Ramirez '06 (#13) attempt to fake a PAT in the 1st quarter.

Full story on page 16.

Trio

TRIO website updates: ALUM.MIT.EDU/WWW/EMIE

by Emezie Okorafor



One Screw Loose

by Josie Sung



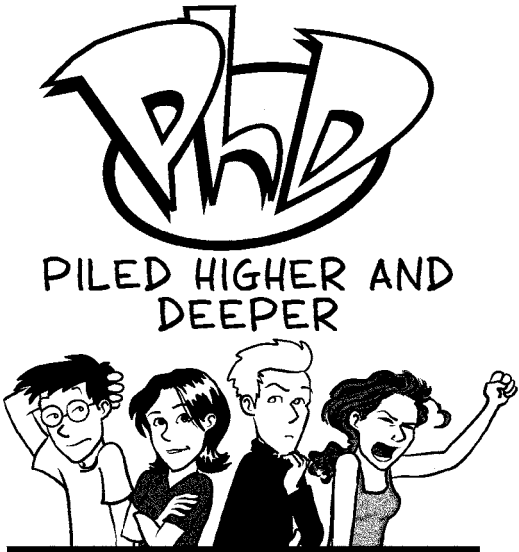
Moons of Uranus

by Juan Pablo Mendieta



Crossword Puzzle

Solution, page 12



FoxTrot

by Bill Amend

Dilbert®

by Scott Adams

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Fill in the grid so that every column, row, and 3 by 3 grid contain exactly one of each of the digits 1 through 9.

© Solution on page 13.


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But according to Dr. Kristine Girard, associate chief of MIT Medical's Mental Health Service, the evidence for St. John's Wort is mixed. Some European studies have reported that the herb is an effective treatment for mild depression, but a multi-site, controlled study here in the US could not demonstrate that it was more effective than a placebo.

"In addition," Girard said, "while herbal products sound more 'natural' than manufactured pharmaceuticals, herbs are chemicals, too, so they can have side effects or interact with conventional medications or other supplements you may be taking." St. John's Wort, for example, has been associated with increased sensitivity to sunlight and decreased effectiveness of birth control pills. It's also important to remember that the FDA does not regulate herbal products, so it is impossible to know their strength and purity, the amounts of active ingredients, and the validity of any therapeutic claims.

St. John's Wort may or may not be right for you, but a clinician at MIT Medical's Mental Health Service can help you find the safest and most effective options for your individual situation. You can call x3-2916 for an appointment or stop by the Service, on the third floor of E23, during walk-in hours, held every weekday afternoon from 2-4 p.m. Hope this helps! —**Judy**



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Bernanke Earned Professors' Respect As Econ. PhD Student

Bernanke, from Page 1

and at Princeton, where he served as department chair; he has also served as a governor of the Federal Reserve. His university experience will bring a more research-driven approach to the Fed, Solow said.

"His natural response to any complicated issue is going to be, what does the research say." He "would be inclined more than Greenspan was to consult what the Beavers say."

As an MIT doctoral student, Bernanke excelled. He was "one of best students in his class. He took three courses from me and was always at or near the top of his class," said Economics Professor Jerry A. Hausman in an e-mail.

"My guess is that he never got less than an A during his time at MIT," Solow said. Bernanke "was hard-working, he was quiet, not someone you would notice because he was putting himself forward in

seminars or group meetings, but he was a stickler for detail."

"It tells of course a great deal about our graduate program that so many of our alumni have held important jobs in this and past administrations," Holmstrom said.

The Chairman of the Federal Reserve is the "most important economic job in the world," Hausman wrote, and it is "good that Bush appointed such an outstanding person."

The appointment reflects well on the department, faculty said. "I hope his selection will rebound well on MIT. It is good to have distinguished alumni," said Economics Professor Peter Temin '64 in an e-mail.

"In last two administrations MIT graduates have been Secretary of Treasury (Larry Summers) and now chairman of Fed," Hausman wrote. "We have been rated the number one economics department for past 35 years — mainly because of our outstanding graduates."

Solow said that while he doubted MIT would reap direct benefits from the nomination, "it is a kind of certification that we get awful bright graduate students, and we don't ruin them."

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starrforum@mit.edu
<http://web.mit.edu/cis/>

Solution to Crossword

from page 10

P	E	P	O		O	O	Z	E		S	I	S	A	L
A	G	E	S		A	C	E	S		A	M	I	D	E
C	R	O	W	S	F	E	E	T		D	I	O	D	E
T	E	N	E	T		A	S	E	A		T	U	S	K
S	T	Y	G	I	A	N		R	E	L	A	X		
					O	L	L	A	S		S	I	T	C
O	H	M			E	D	U	C	E		B	E	I	G
L	E	I	S		A	T	O	M	S		S	T	L	O
G	R	A	P	E		S	O	B	E	R		Y	E	W
A	R	M	A	D	A		P	A	G	E	S			
					I	C	O	N	S		S	O	L	A
S	A	V	E		A	P	I	S		I	V	A	N	A
T	R	I	B	E		E	R	I	E	C	A	N	A	L
A	L	C	A	N		A	M	E	N		N	O	T	E
B	O	E	R	S		R	A	S	E		T	E	E	S



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Ethics Guidelines Help Curb Fear In Public Over Stem Cell Potential

Stem Cells, from Page 1

public that their worst fears will not be realized. The guidelines reject research involving in vitro culture of intact human embryos for longer than 14 days or until the formation of the primitive streak, a group of opaque cells whose appearance sets the stage for gastrulation. Human embryonic stem (hES) cells would not be allowed to be introduced into nonhuman primate blastocysts. Animals injected with hES cells would not be allowed to breed.

Released by the council on April 26, 2005, the report is titled "Guidelines for Human Embryonic Stem Cell Research." It calls for the establishment of Embryonic Stem Cell Research Oversight (ESCR) committees in all research institutions to assist in the approval of relevant experiments. While Hynes, who was co-chair of the Committee on Guidelines for Human Embryonic Stem Cell Research, acknowledges this would add another layer of bureaucracy, he believes that ESCRO committees would eventually fall in place with existing establishments that presently oversee laboratory safety and animal research.

Stem cells spark heated debate

In recent years, there has been a tremendous stir regarding the potential use of stem cells in the treatment of a wide range of diseases, including heart disease, stroke, spinal cord injuries, and burns. Dolly was created from adult stem cells — the undifferentiated cells in the body which are usually found among differentiated cells in a tissue or organ. Today, scientists believe embryonic stem cells, derived from embryos fertilized from eggs in vitro, are the more powerful of the two types. Researchers around the world are currently growing and isolating these cells in culture dishes to understand what directs them to differentiate to serve all the different functions in the body.

Although the amount of hES cell research has increased dramatically since scientists demonstrated their promise and potential benefits to society, the lack of federal aid and regulation in the area has led many to resort to private funding and to conduct research based on existing rules

not entirely geared toward the nature of their research. Although some believe hES research should not be hindered because of its potential to save lives, others are concerned about the lack of oversight in the field.

Hynes said the guidelines provide a platform "for people doing research so that they know they are following the rules." They "give scientists structure from which to work" amidst the "vacuum of regulation."

In the public's mind, the idea of hES cell research can conjure up images from science fiction. Chimeras, for example, are animals genetically engineered with multiple DNA templates (potentially sourced from different species) in different cells — ordinary organisms have only one set of DNA in all their body cells. The creation of such animals have led some to imagine laboratories housing creatures such as mice that can think. Many scientists believe that human cells would be unlikely to integrate successfully into a mouse embryo, given the significant difference in gestation times between the two species; nonetheless, such speculations create significant concern, even among those not opposed to stem cell research in principle.

Along the lines of recommending institutional oversight of hES cell research, the guidelines call for the creation of Institutional Review Boards to ensure that the procurement process of hES cells is properly reviewed. These boards would require the informed consent of all donors of any somatic cells, gametes, or blastocysts to be used. No cash or payments would be provided for donating blastocysts in excess of clinical need for research purposes. Finally, research should be conducted in accordance with laws and guidelines pertaining to recombinant DNA research and animal care.

Although there are currently no means of enforcing the guidelines, Hynes believes various professional societies such as the American Association of Medical Colleges will follow the recommendations. He talks about the existence of a network exerting pressure on scientists to behave themselves in accordance with community norms, saying that scientists rely on the publication of papers, the securing of grant fund-

ing, and the reputations they develop working within scientific institutions, none of which they will easily forego. Most rely to a certain extent on federal aid and thus must follow federal regulations.

President Bush's 2001 Executive Order states that scientists can only conduct hES cell research using the nineteen stem cell lines currently available to federally funded researchers. Since then, it has been discovered that the lines are contaminated from mouse feeder cells and unfit for clinical use due to the possible transfer of mouse proteins. Although they are still useful in answering basic embryonic stem cell questions, scientists are not allowed to use lines created since 2001 with federal funding.

Bush's policies have not only hindered research in the United States and contributed to the increasing leadership of the United Kingdom in embryonic stem cell research, they have also led to some anomalous situations in United States laboratories. Harvard University Professor of Molecular and Cellular Biology Douglas A. Melton currently maintains two separate laboratories. One relies on federal funding, uses federally approved stem cell lines; research there is conducted in accordance with federal laws. The other is privately funded and allows him to bypass certain federal regulations that may hinder his cutting-edge research.

The recommendations put forth in Guidelines for Human Embryonic Stem Cell Research are only recommendations on how to approach a problem. Although it is likely that the majority of scientists will follow them, they are not law and are still subject to change. The ending of the book itself provides a degree of flexibility in the process, saying that "a national body should be established to periodically assess the adequacy of these guidelines and to continue to discuss the issues of hES cell research."

Solution to Sudoku

from page 11

2	1	9	5	6	7	8	4	3
4	6	7	3	2	8	5	1	9
5	8	3	1	9	4	7	6	2
3	9	6	8	5	2	4	7	1
1	5	4	7	3	6	9	2	8
7	2	8	9	4	1	3	5	6
6	3	5	4	1	9	2	8	7
9	7	1	2	8	5	6	3	4
8	4	2	6	7	3	1	9	5

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Andrew Imbrie, *Dandelion Wine* (1970)
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Sport Taekwondo Blows Away Competition With Strong Team

Taekwondo, from Page 16

him by about 20 pounds. Ho fought hard for a 4-2 win, and Brayanov made his A-team debut and sparred an impressive match.

MIT A1 (Bobby B. Ren G, Magdigan, Sinn) dominated the bracket with decisive wins against both Brown and Tufts. With every member undefeated, MIT A1 advanced to the finals against Cornell and again emerged victorious.

Meanwhile, the women black belts were collecting victories of their own. On the women's A2 team, Karolina A. Corin G gained a solid lead on a Cornell lightweight. Sharon A. Lawrence '07 sparred a tough match against the Cornell middleweight, but her MIT A2 teammate, Kim, clinched the victory by defeating the heavyweight.

MIT A1 (Zhou, Chan, Rosemary E. Pike '07) faced off with the Harvard A1. Because of Zhou's auto-

matic victory (Harvard had no lightweight), Chan guaranteed the win with an impressive headshot, ending her bout with a score of 7-4. This allowed the two MIT teams to meet in the finals, where MIT A2 bowed out to MIT A1, securing both the gold and silver!

C-Team sparring quickly followed A-Team, and the new club members showed off their skills. The MIT C3 team (Christopher J. Han '09, Stephen H. Petraeus '09, Harpreet Singh G) defeated Cornell C2. MIT C1 (Darren M. Chun '07, Chambers, Vladimir V. Barzov '06) won their way to third place in the division. The women's matches were also successful: Yunji Wu '09, and Corinna Hui '09 eliminated Brown and fought a tough match against Cortland. Wu and Hui managed to take third place with a two-player team.

The last round of matches was B-Team. The men's B2 team defiantly took the opportunity to shine. Chun, Brayanov, Liao, Chambers, and Julius Y. Strauss '06 defeated Tufts B1 by 6-3 in the middleweight division and 9-8 in heavy. The team made it to the semis, where they bowed out to their teammates on B1 to get the bronze.

Huang, Ho, Barzov, Strauss, and Chambers (B1) fought match after match through the bracket. At the very end of the day, they met Cornell in the finals where Ho and Barzov both forced their opponents to withdraw, and Huang bowed out due to injury (after an amazing victory earlier in spite of his leg). MIT B1 emerged with gold.

The women's B-team matches were exciting battles. MIT's B2 (Chen, Jennifer L. Caplin '07, and Gladys E. Priso G) destroyed Cornell B2 with a lightweight win 12-7, middleweight 10-9, and a default heavy win. Chen also sparred an excellent match against Cornell B1. Caplin had some good points, but had to withdraw due to injury. The team ended their fight in third place.

Zhou, Lawrence, Kim, Wu, and Priso (B1) blew away the competition, once again defeating a Cornell team in the finals to secure first place.

The points won by team members in each division were totaled for each team's cumulative score. As the day drew to a close, MIT was clearly dominating the tournament, with a final score of 670 points, compared to Cornell in second with 370. With a tournament at Cornell in less than three weeks, however, the team is already focusing on the next challenge.

Football Looks Ahead To Final Road Games After 34-21 Home Win

Football, from Page 16

Led by Brennan P. Sherry's '06 10 tackles, the Tech defense kept Nichols College at bay, giving Mancuso and the offense plenty of opportunities to put more points on the board.

MIT carried the momentum to the fourth quarter, which began with a Robert C. Utz '09 touchdown run from two yards out to make the score 34-14 in favor of the Engineers.

A good crowd was in attendance for Tech's last home game of the year, and the Engineers did not disappoint, running their record to a solid 3-1 at Steinbrenner Stadium. The fans showed their appreciation through-

out the game with prolonged chants for a variety of MIT players.

The crowd rallied around a fan sporting a mohawk and a megaphone, who became a de facto cheerleader.

"It was great to have three wins at home this year," said Coach Dwight Smith after the game. "We passed it well, Rick [Mancuso] made good decisions, and the line blocked really well."

With two more games remaining on the road, Tech now has a chance to finish its season above .500. When asked about it, Smith was straightforward.

"Two more games, two more victories, that's our goal."

NBA's Stars Should Look, Dress Like Role Models Instead of Like Gangsters

Dress Code, from Page 16

sional-looking clothing. After all, I don't even work for a company and I am often compelled to dress in business formal clothing for interviews. It's not as though the NBA players cannot afford the clothing or cannot stand to wear the clothing that David Stern is proposing for them. It's just not what they're used to.

Is dressing like a gangster a player's right? Perhaps. But dressing like a gangster influences not only the image of that individual, but also the image of the league as a whole. Some have said that the new dress code is purely catered toward courting big businesses. Because David Stern wants the players to look more professional off the court, it's easy to conclude he wants to make the NBA a cleaner league with which more businesses would want to associate.

The fact of the matter is that

dressng more professionally not only gives a positive image to businesses, but also to kids watching the games. How does a kid react when he or she sees a favorite athlete dressed up like a thug? Under the new policy, this would never happen in professional settings, and kids, too, will have a more positive image of what the NBA represents, which will in turn have a positive effect on their behavior.

Sure, the players might complain at first, but I think they will soon realize that the benefits of this policy far outweigh the burdens. It will make players feel more professional during games and curb their propensity for fights. It will influence some young children in a positive way. Endorsement contracts will increase as the image of the NBA improves. The only downside is that a couple of basketball players have to be a little less comfortable than usual. I say it's worth it.

NEWMAC SCOREBOARD

Field Hockey

Team	NEWMAC Only			Overall		
	Wins	Losses	Win %	Wins	Losses	Win %
1 Babson	7	1	.875	15	4	.789
2 Springfield	6	1	.857	16	2	.889
3 Mount Holyoke	5	1	.833	10	5	.667
4 Wellesley	4	2	.667	9	5	.643
5 MIT	3	4	.429	11	5	.688
6 Clark	2	5	.286	3	12	.200
Wheaton	2	5	.286	7	11	.389
8 Smith	1	6	.143	6	9	.400
WPI	1	6	.143	6	9	.400

Men's Soccer

Team	NEWMAC Only				Overall			
	Win	Loss	Tie	Win %	Win	Loss	Tie	Win %
1 Clark	4	0	1	.900	11	1	2	.857
Wheaton	4	0	1	.900	10	4	2	.688
3 Babson	4	1	0	.800	10	3	4	.706
4 Springfield	1	3	1	.300	3	10	1	.250
WPI	1	3	1	.300	7	5	1	.577
6 Coast Guard	1	4	0	.200	4	9	1	.321
7 MIT	0	4	0	.000	6	7	0	.462

Women's Soccer

Team	NEWMAC Only				Overall			
	Win	Loss	Tie	Win %	Win	Loss	Tie	Win %
1 Wheaton	7	0	1	.938	13	4	1	.750
2 Springfield	7	1	0	.875	10	4	2	.688
3 Clark	5	2	1	.688	9	5	1	.633
4 Smith	4	3	1	.562	7	5	2	.571
5 Babson	3	3	2	.500	8	6	2	.562
6 Wellesley	3	4	1	.438	6	6	2	.500
7 WPI	3	5	0	.375	6	9	1	.406
8 MIT	2	6	0	.250	4	12	0	.250
Mt. Holyoke	2	6	0	.250	6	9	0	.400
10 Coast Guard	1	7	0	.125	4	11	0	.267

Women's Tennis

Team	NEWMAC Only			Overall		
	Wins	Losses	Win %	Wins	Losses	Win %
1 Wellesley	7	0	1.000	8	0	1.000
2 MIT	6	1	.857	8	2	.800
3 Babson	5	2	.714	8	4	.667
4 Wheaton	4	3	.571	7	6	.538
5 Mount Holyoke	3	4	.429	5	6	.455
6 Springfield	2	5	.286	3	11	.214
7 Clark	0	6	.000	2	9	.182
Smith	0	6	.000	0	7	.000

Volleyball

Team	NEWMAC Only			Overall		
	Wins	Losses	Win %	Wins	Losses	Win %
1 MIT	7	0	1.000	23	7	.767
2 Springfield	6	1	.857	24	6	.800
Coast Guard	6	1	.857	20	3	.870
4 Smith	5	2	.714	18	5	.783
5 Wellesley	4	3	.571	22	9	.710
6 Wheaton	3	4	.429	10	19	.345
7 Clark	1	6	.143	8	17	.320
Babson	1	6	.143	7	16	.304
Mount Holyoke	1	6	.143	8	15	.348
WPI	1	6	.143	9	13	.409

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- Analysis and reports for NASA's Office of Safety and Mission Assurance

SPORTS

Led by Mancuso, Football Wins Last Home Game of the Season

By Albert Ni
STAFF WRITER

It is said you have to be resilient even to choose to come to MIT, never mind play football as well. The Engineers proved their resilience in a 34-21 victory over the Nichols College Bison on Saturday.

Quarterback Richard A. Mancuso '09 put together one of the greatest passing displays in MIT history, as he connected on 25 of 43 passes for a record-shattering 387 yards as well as a record-tying 4 touchdowns.

Marcus R. Carson '07 paced his fellow wide receivers with five catches, including a couple of impressive diving grabs, for 114 yards and a touchdown. Not wanting to be left out of the action, Christopher W. Ruggiero '07 had six receptions for 81 yards and two touchdowns of his own.

MIT's defense also played well, getting off to a dramatic start as they allowed the Bison to march down to the one yard line on their first possession, but then stopped them on fourth and goal, returning the ball to the offense.

Ninety-nine yards later, 94 of which came through the air, Tech was up 6-0.

The game was back and forth for the next quarter and, with the score 14-13 Bison late in the second quarter, Mancuso then found Ruggiero, giving MIT a lead they would never relinquish.

In similar fashion to their last home game, the Engineers played an extremely solid third quarter, as the offense continued to have its way with its aerial assault.

For pictures of the game, see page 9.

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UPCOMING HOME EVENTS

- Tuesday, Oct. 25**
Men's Soccer vs. University of Massachusetts-Boston
Steinbrenner Stadium, 3:00 p.m.
Field Hockey vs. Wellesley College
Jack Barry Field, 6:00 p.m.
Women's Volleyball vs. Smith College
Rockwell Cage, 7:00 p.m.
- Thursday, Oct. 27**
Men's Soccer vs. Worcester Polytechnic Institute
Steinbrenner Stadium, 3:00 p.m.

Sport Taekwondo Team Dominates The Field in 10-Team Tournament

By Rosemary Pike
TEAM MEMBER

The MIT Sport Taekwondo Club hosted the first Ivy Northeast Collegiate Taekwondo League tournament of the 2005-2006 season on Sunday, Oct. 16. The event drew competitors from 10 different colleges, including MIT's main rival, Cornell. The MIT team consisted of 38 competitors in forms and sparring.

The tournament started out strong with the forms competition (forms are pre-choreographed moves). The men's black belt division was highly

competitive. Out of 30 competitors, two MIT black belts qualified for the top 10: Conor F. Madigan G and Richard Sinn '06. After a second round of scoring, Sinn received second place in forms. In the women's division, Erica Y. Chan '07 continued her dominance from the past season with vertical sidekicks, earning herself a second place as well.

The red belt division was solidly under control, with Grace Y. Kim G at second place; Club President, Alicia Y. Zhou '06, secured third place. On the men's side, John C. Ho G also earned third place. Bronze medals were given to blue belt Forrest W.

Liau '06, green belt Sarah P. Kama '08, and green belt Richard-Duane S. Chambers G. At the close of the forms competition, MIT was up by only 10 points. But the margin was just about to widen.

The large black belt forms group meant a large A-Team sparring bracket, but the MIT teams were up to the challenge. MIT team A2 (Ryan B. Huang '06, Ho, Jordan B. Brayano G) faced a strong team from the Royal Military Academy of Canada. Huang got some solid kicks in on the RMC lightweight, who outweighed

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YALU WU—THE TECH
Janet J. Pan '09 (#20) charges ahead to steal the ball from her opponent. The MIT women's field hockey team lost 1-4 to Mount Holyoke College at Springfield College last Saturday afternoon.

Business Casual Dress Code Arrives At the NBA

By Yong-yi Zhu
ASSOCIATE SPORTS EDITOR

Business casual. Not a particularly controversial topic, but when Commissioner David Stern created the new dress code for the NBA, the players revolted against what they claim is a sport-coat tyranny.

The new NBA dress code regulates what players wear while on official NBA business, requiring them to wear a dress shirt, nice shoes and appropriate pants. No longer allowed are hats, sleeveless shirts, shorts, chains outside of their clothing, sunglasses when indoors and headphones anywhere but in the bus, plane, or locker room.

Is the dress policy more trouble than it's worth? Many players feel that way because they don't see the point of dressing up for the games or the interviews. They feel it simply is too strict. Players' complaints range from their desire to express themselves in the way they dress, to accusations that the no-chains policy is racist. The consensus among players is that the new policy is unwarranted and unnecessary.

What they do not realize is that they must look presentable to the outside world. David Stern is playing it safe by forcing the dress to be strict. He wants to set the bar high so that the players will take it seriously.

Is the NBA going too far with its current dress code? I think it is completely reasonable for the League to force its players to wear more profes-

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Crew Competes in Head of the Charles



MIT Crew competed in the Head of the Charles Regatta, held last weekend on the Charles River.

(right) Openweight women's crew members, Cynthia M. Wilson '06, Katja Lange '07, Akua A. Nti '06, Samantha E. Bennett '06, Christina M. Wilcox '07, Katherine A. Jarrell '08, Lisa M. Morin '09, Alice M. Ainsworth '09, and Erika R. Cerda '08 row in the Collegiate Eights competition on Sunday.

(below) William R. Garthwaite '08, Jaffar S. Iqbal '08, Andrzej P. Wojcieszynski '08, Andrew D. Wickert '08, and coxswain Louise R. Giam '06 race up the river.

(far below) Sarah K. Yenson '03, Hillary K. Rolls '02, Jeanette C. Fershtman Abad '04, Julie E. Zeskind '01, and coxswain Noel S. Lee '08 row upriver.

Photography by Ray He



(left) Members of the women's lightweight crew team, coxswain Yi Chen '08, Kimberly L. Harrison '06, Laura C. Harris '07, Erqi Liu '08, Katherine L. Madden '08, Sarah F. Newman '06, Jessica A. Lynch '08, and Katherine P. Hung '06 race upriver.